



## Haku

Design: Teruhiro Yanagihara

Type: Upholstery. Avoid furniture with hard edges and stackable chairs. Should never be glued to furniture.

Composition: 100% polyurethane / silicone (surface).

Polyester (backing)

Yarn type: -

Binding: -

Width: Approx. 140 cm, 55 inches

Weight: Approx. 780 g/lin.m, 25 oz/ly

Repeat: None

Colour difference may occur

Cleaning: Wipe regularly with warm water and neutral detergent. Use a clean, soft white cloth or sponge. Do not over saturate the textile or let water pool in seams. If disinfection is required alcohol / ethanol 70-85% or ready to use household bleach is recommended. Chlorine based agents should only be used in extreme conditions as colour might change. UVC disinfection is not suitable for light colours. More info, see page 3

After cleaning, rinse repeatedly with cool, clean water. Always pre-test in an invisible area before cleaning.

Do not use solvent-based cleaning agents.

More info: Care and maintenance kvadrat.dk



10<sup>year</sup>  
warranty



## Haku

### Abrasion

Approx. 100.000 Martindale rubs, EN ISO 12947

*Note: Abrasion test results exceeding ACT Performance Guidelines are not an indicator of product lifespan. Multiple factors affect fabric durability and appearance retention.*

### Pilling

Note 5, EN ISO 12945

### Lightfastness

Note 6-7 ISO 105-B02

### Fastness to rubbing

Dry note 5 ISO 105-X12

Wet note 5 ISO 105-X12

### Resistance to water penetration

>1500 cm = waterproof EN ISO 810

### Flame resistance

AS/NZS 3837 Class 2

ASTM E84 Class B adhered

ASTM E84 Class B unadhered

BS 5852 Crib 5 with treatment \*

EN 1021-1

EN 1021-1/2 with treatment \*

US Cal. Bull. 117-2013

Free from added flame retardant chemicals as standard

*\* To pass this test flame retardant treatment is necessary. We are looking into more environmentally friendly alternatives but for now the external finisher may use a treatment containing halogen-based flame retardants*

### ACT Guidelines Coated fabrics

### Flammability

US Cal. Bull. 117-2013

### Dry & Wet Crocking

Dry Crocking: Grade 5.0

Wet Crocking: Grade 5.0

### Colour Fastness to Light

Grade 4.5 minimum 200 hours

### Physical properties

Tongue Tear 9 / 11 lbs.

Tear Strength 55 / 53 lbs.

Breaking Strength 138 / 208 lbs.

Seam Strength 78 / 81 lbs.

Flex Resistance Pass

Hydrolysis Resistance Pass

### Abrasion

100.000 rubs – High Traffic / Public Spaces

### Quality benefits

Very good abrasion  
Very good lightfastness  
Waterproof  
Easy to clean  
Disinfection is possible

### Environmental benefits

No harmful siloxanes  
Formaldehyde free  
DMF free  
PFAS free  
PVC free  
REACH compliant  
Californian Proposition 65 list compliant  
LBC Red list compliant  
Healthier Hospitals compliant

### Green Building certificates

Greenguard Gold: Low chemical emission  
Health Product Declaration (HPD): Declaring textile content and substance

### Country of origin

China

### Launch:

2021

### Warranty

10 years. See terms and conditions on kvadrat.dk

Kvadrat packaging and cardboard is recyclable. Cardboard material is FSC certified and / or contains recycled content.

Kvadrat A/S is ISO 9001 and ISO 14001 certified

For further information  
kvadrat.dk

## The Association for Contract Textiles' (ACT) Proposed BIFMA Cleaning Guideline - Assessing

### Woven Fabrics for Resistance to Liquid Cleaner and/or Disinfectants

#### Stain resistance CFFA 141

Colour	Alcohol	Household bleach Ex. Oxivir Oxicide Virex	Chlorine bleach max. 5%	Stain resistance
101	Yes	Yes	Yes	Low
111	Yes	Yes	Yes	Low
121	Yes	Yes	Yes	Low
131	Yes	Yes	Yes	Low
161	Yes	Yes	Yes	Low
181	Yes	Yes	Yes	Medium
191	Yes	Yes	Yes	High
201	Yes	Yes	Yes	Low
221	Yes	Yes	Yes	Medium
241	Yes	Yes	Yes	Low
281	Yes	Yes	Yes	High
321	Yes	Yes	Yes	Medium
351	Yes	Yes	Yes	Medium
391	Yes	Yes	Yes	High
451	Yes	Yes	Yes	Medium
461	Yes	Yes	Yes	High
561	Yes	Yes	Yes	Medium
611	Yes	Yes	No*	Low
641	Yes	Yes	Yes	High
681	Yes	Yes	Yes	High
721	Yes	Yes	Yes	Low
741	Yes	Yes	Yes	Medium
761	Yes	Yes	No*	Medium
781	Yes	Yes	Yes	High
871	Yes	Yes	Yes	Medium
941	Yes	Yes	Yes	Low
961	Yes	Yes	Yes	High
981	Yes	Yes	Yes	High

5% solution chlorine bleach: colour 611 & 761: colour will change

UVC disinfection is not suitable for light colours.  
Colour will change, below note 4  
101, 111, 121, 131, 201, 221, 611, 721, 741, 761 & 941